	Application No.	Applicant(s)	
Notice of Allowability	10/711,559	REDBURN, ROBERT C.	
	Examiner	Art Unit	
	Baoquoc N. To	2162	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *12/21/2007*.

2. ☒ The allowed claim(s) is/are *1, 3-4, 7-9, 11-12, 15, 17-20, 24-27, 30-31, 33-34 and 37*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *12-21-2007* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

1.   Claims 15 and 17-18 are amended and claim 38 is canceled in the amendment filed on 10/15/2007. Claims 1-37 and 39-40 are pending in this application.

EXAMINER'S AMENDMENT

2.   An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

     Authorization for this examiner's amendment was given in a telephone interview with Joe Petrokaitis, Reg. No. 38,995 on December 21, 2007

     Please amend the application as follow:

Specification

Please replace this paragraph

~~The invention can take the form of a computer program product accessible from a computer-usable or computer-readable medium providing program code for use by or in connection with a computer or any instruction execution system. For the purposes of his description, a computer-usable or computer readable medium can be any apparatus that can contain, store, communicate, propagate, or transport the program for use by or in connection with the instruction execution system, apparatus, or device. The medium can be an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system (or apparatus or device) or a propagation medium. Examples of a computer-~~

~~readable medium include a semiconductor or solid state memory, magnetic tape, a~~

~~removable computer diskette, a random access memory (RAM), a read-only memory~~

~~(ROM), a rigid magnetic disk and an optical disk. Current examples of optical disks~~

~~include compact disk - read-only memory (CD-ROM), compact disk - read/write (CD-~~

~~R/W) and DVD.~~

with this paragraph

<u>The invention can take the form of a computer program product accessible from a</u>

<u>computer-usable or computer-readable medium providing program code for use by or in</u>

<u>connection with a computer or any instruction execution system. Examples of a</u>

<u>computer-readable medium include a semiconductor or solid state memory, magnetic</u>

<u>tape, a removable computer diskette, a random access memory (RAM), a read-only</u>

<u>memory (ROM), a rigid magnetic disk and an optical disk. Current examples of optical</u>

<u>disks include compact disk - read only memory (CD-ROM), compact disk - read/write</u>

<u>(CD-R/W) and DVD.</u>

<u>Claims</u>

1. (Currently Amended) A method for obtaining information from a relational database,
comprising the steps of:

formulating a text query to retrieve data from the relational database,

where a first portion of the text query specifies the data to be retrieved

and a second portion of the text query specifies a format for graphing the data;

transmitting the text query to the relational database<u>, wherein the first portion of the text</u>

query and the second portion of the text query are formatted in a structured query

language (SQL);

executing the text query;

returning data from the relational database in accordance with the text query; ~~and~~

interpreting the text query in accordance with the structured query language

(SQL) having keywords and syntax for specifying said format, wherein said keywords

are for a SQL data plotting extension and wherein said syntax recognizes said

keywords for graphing the data; and

presenting the data in accordance with said format, wherein the graphical image

is one of a line graph, a horizontal bar chart, a vertical bar chart, a pie chart, a scatter

plot, a contour plot, and a wafer map, in accordance with a keyword in the second

portion of the text query.

2.   (Cancelled).

5.   (Cancelled).

6.   (Cancelled).

9. (Currently Amended) A method for querying a relational database, comprising the

steps of:

specifying the data to be returned from the relational database in a first portion of

a text query;

specifying a format for graphing the data in a second portion of the text query;

and

executing the text query, thereby returning the data as a graphical image in accordance with said format;

wherein the first portion of the text query and the second portion of the text query are in a structured query language (SQL), wherein the SQL includes keywords and syntax for specifying said format, wherein said keywords are for a SQL data plotting extension and wherein said syntax recognizes said keywords for graphing the data and wherein the graphical image is one of a line graph, a horizontal bar chart, a vertical bar chart, a pie chart, a scatter plot, a contour plot, and a wafer map, in accordance with a keyword in the second portion of the text query.

10. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Currently amended) A system for retrieving and presenting data from a relational database, comprising:

the relational database;

an input device for entering a database text query, where a first portion of the text query specifies the data to be retrieved and a second portion of the text query specifies a format for graphing the data;

a device for executing the text query;

a device for interpreting the text query, where said device is effective to format

the data for presentation in graphical form; and

an output device for presenting the data as a graphical image in accordance with

said format;

wherein the text query is formulated in a structured query language (SQL),

wherein the graphical image is a representation of the data in ASCII format, wherein

ASCII format is American Standard Code for Information Exchange, wherein said

keywords are for a SQL data plotting extension and wherein said syntax recognizes

said keywords for graphing the data and wherein the graphical image is one of a line

graph, a horizontal bar chart, a vertical bar chart, a pie chart, a scatter plot, a contour

plot, and a wafer map, in accordance with a keyword in the second portion of the text

query.

16.   (Cancelled).

21.   (Cancelled).

22.   (Cancelled).

23.   (Cancelled).

24.   (Currently Amended) A computer program product comprising a computer-

readable storage medium having stored therein instructions for obtaining information

from a relational database, wherein the instructions when executed on a computer

causes the computer to:

query the relational database to retrieve data therefrom in accordance with a text

query from a user, where a first portion of the text query specifies the data to be

retrieved and a second portion of the text query specifies a format for graphing the data,

wherein the first portion of the text query and the second portion of the text query are

formulated in a structured query language (SQL);

transmit the text query to the relational database;

execute the text query;

return data from the relational database in accordance with the query;

interpreting the text query in accordance with the structured query language (SQL)

having keywords and syntax for specifying said format, wherein said keywords are for a

SQL data plotting extension and wherein said syntax recognizes said keywords for

graphing the data; and

present the data in accordance with said format, wherein the graphical image is

one of a line graph, a horizontal bar chart, a vertical bar chart, a pie chart, a scatter plot,

a contour plot, and a wafer map, in accordance with a keyword in the second portion of

the text query.

25.   (Cancelled).

28.   (Cancelled).

29.   (Cancelled).

31.   (Currently Amended) A computer program product comprising a computer usable storage medium having computer usable program code for obtaining information from a relational database, said computer program product including:

computer usable program code for querying the relational database to retrieve data therefrom in accordance with a text query from a user, where a first portion of the text query specifies the data to be retrieved and a second portion of the text query specifies a format for graphing the data, wherein the first portion of the text query and the second portion of the text query are formulated in a structured query language (SQL);

computer usable program code for transmitting the text query to the relational database;

computer usable program code for executing the text query;

computer usable program code for returning the data from the relational database in accordance with the text query;

computer usable program code for interpreting the text query in accordance with the structure query language (SQL) having keywords and syntax for specifying said

format, wherein said keywords are for a SQL data plotting extension and wherein said

syntax recognizes said keywords for graphing the data; and

computer usable program code for presenting the data in accordance with said

format, wherein the graphical image is one of the line graph, a horizontal bar chart, a

vertical bar chart, a pie chart, scatter plot, a contour plot, and a wafer map, in

accordance with a keyword in the second portion of the text query.

30.   (Cancelled).

35.   (Cancelled).

36.   (Cancelled).

39.   (Cancelled).

40.   (Cancelled).

Allowable Subject Matter

3.   Claims 1, 3-4, 7-9, 11-12, 15, 17-20, 24-27, 30-31, 33-34 and 37 are allowed

over prior art of record.

The following is an examiner's statement of reasons for allowance:

As to claim 1, the examiner agrees with the applicant argument on page 12 filed

on 10/15/2007 "Herbert fails to disclose or suggest the recited "formulating a text query

to retrieve data from the relational database, where a first portion of the text query

specifies the data to be retrieved and a second portion of the text query specifies a

format for graphing the data." Furthermore, Herbert also fails to disclose "for

interpreting the text query in accordance with a structure query language (SQL) having

keywords and syntax for specifying said format, wherein said keywords are for a SQL

data plotting extension and wherein said syntax recognizes said keywords for graphing

the data."

Claims 3-4 and 7-8 are depended on claim 1; therefore, claims 3-4 and 7-8 are

allowed under the same reason as to claim 1.

Claim 9 is a method for performing the similar steps in the claim 1; therefore,

claim 8 is allowed under the same reason as to claim 1.

Claim 11-12 are depended on claim 9; therefore, claims 11-12 are allowed under

the same reason as to claim 9.

Claim 15 is a system for performing the same steps as to claim 1; therefore,

claim 15 is allowed under the same reason as to claim 1.

Claims 17-20 are depended on claim 15; therefore, claim 15 is allowed under the

same reason as to claim 15.

Claim 24 is a computer program product comprising a computer readable

storage medium having stored therein instructions...when executed to on the computer

cause the computer to perform the steps as recited in claim 1; therefore, claim 24 is

allowed under the same reason as to claim 24.

Claims 26-27 and 30 are depended on claim 24; therefore, claim 26-27 and 30

are allowed under the same reason as to claim 24.

Claims 31 is a computer program product comprising a computer usable medium having computer usable program code... for perform the steps as recited in claim 1; therefore, claim 31 is allowed under the same reason as to claim 1.

Claim 33-34 and 37 are depended on claim 31; therefore, claims 33-34 and 37 are allowed under the same reason as to claim 31.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Nayyar, Kara. Q-SQL: support for graph generation, India Annual Conference, 2004, Proceedings of the IEEE Indicon, pages 521-524, December 20-22, 2004.

Nayyar et al. Graph Definition Language for G-SQL, INDICON, 2005, Annual IEEE, pages 171-175, December 11-13, 2005.

Contact Information

4.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Baoquoc N. To whose telephone number is at 571-272-4041, or unofficial fax number for the purpose of discussion (571) 273-4041 or via e-mail BaoquocN.To@uspto.gov. The examiner can normally be reached on Monday-Friday: 8:00 AM – 4:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached at 571-272-4107.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231.

The fax numbers for the organization where this application or proceeding is assigned are as follow:

(571) 273-8300 [Official Communication]

BQ To

December 21st, 2007

Cam Y Truong
primary Examiner